Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Tuesday 05 Sep 2023 until 23:59 on Wednesday 06 Sep 2023

Forecast Issued on Tuesday 05 Sep 2023 at 03:15

Confidence: Very high confidence in warm conditions continuing for the majority of this week and into the weekend. Much lower for the timings of any elevated thundery showers later in the week into the weekend. Moderate for details of morning mist, fog and low cloud.

Headline for Tuesday 05 Sep 2023: Rather windy at height, tempering otherwise very warm conditions with sunshine after early mist.

Mountain weather hazards on Tuesday 05 Sep 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** High Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Sunny	Sunny	Sunny	Sunny	Clear night	Clear night
Precipitation probability					
00%	00%	00%	00%	00%	00%

Forecast for Tuesday 05 Sep 2023

Weather: Generally fine through the early hours and into daybreak, with shallow mist and fog forming in prone valleys. This will soon clear to leave a dry and very warm day with lengthy periods of sunshine and perhaps some hazy higher cloud. One of the more notable aspects of the forecast however is likely to be the wind, which will be strong at elevation initially. This may mask otherwise high temperatures and moderate UV, with the latter more of a risk given the duration of sunshine expected. Winds falling lighter during the evening to see mist reform in some valleys.

Chance of cloud-free hill tops above 600m: Near 100%.

Low cloud and visibility: Early valley mist and fog soon clearing. Generally good visibility but distant hills and landmarks will appear hazy.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Mountain Weather Forecast

Forecast for Tuesday 05 Sep 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	18/27 E	21/29 E	23/30 E	22/30 E	19/29 E	15/23 E	11/15 E
300	9/12 NE	14/21 NE	18/25 E	17/25 E	12/22 NE	10/15 NE	8/13 NE
Valley	13/28 E	15/30 E	16/29 E	15/29 E	16/33 E	15/29 E	13/20 E

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	18/14	16/12	18/13	20/14	18/14	16/13	16/13
300	18/17	19/16	22/18	23/19	20/18	17/15	16/15
Valley	17/15	20/16	23/19	24/20	21/17	17/15	16/14
Freezing Level*	3500m	3800m	3600m	3800m	4100m	4100m	3700m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Note the strength of the winds, which may be higher than shown in places. High levels of UV are likely through the midday hours, so sun protection and adequate hydration vital despite the wind taking the edge off the temperatures at height.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Tue 05 Sep 2023	0mm	0mm	0mm

Forecast for Wednesday 06 Sep 2023

Weather: There is a risk of extensive low cloud and valley fog first thing, particularly in the east of the range, however this will soon clear to a very warm day of hazy sunshine and lighter winds.

Maximum wind: Variable 10mph.

Chance of cloud-free hill tops above 600m: 80%, becoming near 100% by the afternoon.

Low cloud and visibility: Widespread low cloud in the east down to lower slopes, but cloud tops generally below 500-600m and soon clearing into the morning. Some locally very poor visibility until mid-morning. Thereafter generally good visibilities though once again fairly hazy.

Temperature: **Valleys:** Plus 13 becoming plus 26 degrees Celsius
At 600m: Plus 19 degrees Celsius
Freezing level: Well above the peaks.

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